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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/006,205

Filing Date December 10, 2001

First Named Inventor Tauer, et al.

Group Art Unit 1632

Examiner Name Not yet assigned

(use as many sheets as necessary)

Sheet 1 of 3 Attorney Docket Number 20695C-002000US

	U.S. PATENT DOCUMENTS					
		U.S. Patent Document			Pages, Columns, Lines,	₹
Examiner Initials *	Cite No. <sup>1</sup>	Number Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	
BOLI	AA	4,783,407	Provost et al.	11/08/88		
BOC,	AB	5,268,292	Robertson et al.	12/07/93		
BOC.	AC	5,858,658	Haemmerle et al.	01/12/99		
BOL"	AD	6,100,061	Reiter et al.	08/08/00		

	FOREIGN PATENT DOCUMENTS							
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gie.	AH	Europe	0 339 668 A2			04/28/89		-
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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BOLT	AJ	Andre, et al., <i>Inactivated Candidate Vaccines for Hepatitis A</i> , <u>Prog. Med. Virol.</u> , Vol. 37, Pg. 72-95 (1990).	
BWL:	AK	Armstrong, et al., Development of the Formalin-Inactivated hepatitis A Vaccine, VAQTA <sup>™</sup> from the Live Attenuated Virus Strain CR326F, <u>J. of Hepatology</u> , Vol. 18, Pg. 20-26 (1993).	
BOC:	AL	Bader, Hepatitis A Vaccine, Amer. Journal of Gastroenterology, Vol. 91:2, Pg. 217-222 (1996).	
BIOC .	AM	Binn, et al., Primary Isolation and Serial Passage of Hepatitis A Virus Strains in Primate Cell Cultures, Journal of Clinical Microbiology, Vol. 20:1, Pg. 28-33 (1984).	
BN,	AN	Binn, et al., Preparation of a Prototype Inactivated Hepatitis A Virus Vaccine from Infected Cell Cultures, Journal of Infectious Diseases, Vol. 153:4, Pg. 749-756 (1986).	
Bli.	AO	Bishop, et al., Rapid and Efficient Purification of Hepatitis A Virus from Cell Culture, Journal of Virological Methods, Vol. 47, Pg. 203-216 (1994).	
30,	AP	Bishop, et al., <i>Hepatitis A Virus Subviral Particles: Purification, Accumulation, and Relative Infectivity of Virions, Provirions and Procapsids, Arch. Virol.</i> , Vol. 142, Pg. 2147-2160 (1997).	
30	AQ	Cinatl Jr., et al., Protein-Free Culture of Vero Cells: A Substrate for Replication of Human Pathogenic Viruses, Cell Biology International, Vol. 17:9, Pg. 885-895 (1993).	
BU	AR	Cohen, et al., Hepatitis A Virus cDNA and Its RNA Transcripts Are Infectious in Cell Culture, Journal of Virology, Vol. 61:10, Pg. 3035-3040 (1987).	
B	AS	Dubois, et al., Large-Scale Purification of Inactivated Hepatitis A Virus by Centrifugation in Non-Ionic Gradients, Journal of Virological Methods, Vol. 32, Pg. 327-334 (1991).	
BOT.	АТ	Flehmig, et al., <i>Immunogenicity of a Hepatitis A Virus Vaccine</i> , <u>Journal of Medical Virology</u> , Vol. 22, Pg. 7-16 (1987).	
BU	AU	Hagen, et al., Use of a Nuclease Enzyme in the Purification of VAQTA®, a Hepatitis A Vaccine, Biotechnology Appl. Biochem., Vol. 23, Pg. 209-215 (1996).	
BUL-	AV	Hennessey Jr., et al., Evaluation of the Purity of a Purified, Inactivated Hepatitis A Vaccine (VAQTA <sup>TM</sup> ), Vaccine, Vol. 17, Pg. 2830-2835 (1999).	

Examiner Signature	Basquellie	Date Considered	08/25/2003

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Sheet	3	of	3

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
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هلان	AW	Kessler, et al., Suitability of MDCK Cells Grown in a Serum-Free Medium for Influenza Virus Production, Dev. Biol. Stand., Vol. 98, Pg. 13-21 (1999).		
BOS.	AX	Kistner, et al., Development of a Mammalian Cell (Vero) Derived Candidate Influenza Virus Vaccine, Vaccine, Vol. 16: 9/10, Pg. 960-968 (1998).		
BU.	AY	Lemon, et al., Antigenic Structure of Hepatitis A Virus, Molecular Aspects of Picornavirus Infection and Detection, Pg. 193-208 (1989).		
D.(2)	AZ	Locamini, et al., Restricted Replication of Human Hepatitis A Virus in Cell Culture: Intracellular Biochemical Studies, Journal of Virology, Vol. 37:1, Pg. 216-225 (1981).		
BOX	ВА	Merten, et al., Evaluation of the New Serum-Free Medium (MDSS2) for the Production of Different Biologicals:Use of Various Cell Lines, Cytotechnology, Vol. 14, Pg. 47-59 (1994).		
BCC:	ВВ	Nasser et al., Production of Cytopathology in FRhK-4 Cells by BS-C-1-Passaged Hepatitis A Virus, Applied and Environmental Microbiology, Vol. 53:12, Pg. 2967-2971 (1987).		
zuc,	вс	Yokosawa, et al., Affinity Chromatography of Trypsin and Related Enzymes, Journal Biochem., Vol. 79, Pg. 757-763 (1976).		

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